

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-02 14:17:48

Date of Next Testing: 2029-12-01 14:17:48

Product Name: **4-Methylvaleric acid**

CAS Number: 646-07-1

Specifications & Purity: $\geq 98\%$

Lot #: K2520776

SKU #: **M117869**

Version: **0**

Analysis #: **380452**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.413-1.416	1.41600
Density (20°C)	0.921-0.924	0.92140
Purity(GC)	98-100 (%)	99.30000 %
Purity (Titration by NaOH)	97.5-102.5 (%)	99.46200 %
Appearance (M117869)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager